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APPLICATION NO	. F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/980,891		12/03/2001	Masahiro Ishida	02008.071001; AD-0243PCTU	1563
22511	7590	05/08/2003			
ROSENTHAL & OSHA L.L.P.				EXAMINER	
1221 MCKINNEY AVENUE SUITE 2800				NGUYEN, TUNG X	
HOUSTON	HOUSTON, TX 77010			ART UNIT	PAPER NUMBER
				2829	
•				DATE MAILED: 05/08/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
ANTONESTO POR CAPILLA	MANANTA CONTRACTOR MANANTA CONTRACTOR MANAGEMENT CONTRACTOR CONTRA	09/980,891	ISHIDA ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Tung X Nguyen	2829				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM							
THE N - Exter - after - If the - If NO - Failur - Any r	MAILING DATE OF THIS COMMUNICATION. Isions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statutely received by the Office later than three months after the mailing department of patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, m. ply within the statutory minimum of d will apply and will expire SIX (6) te, cause the application to becor	ay a reply be timely filed If thirty (30) days will be considered timely. MONTHS from the mailing date of this communication. The ABANDONED (35 U.S.C. § 133).				
Status	, 6						
1)⊠	Responsive to communication(s) filed on <u>04</u>	March 2003 .					
2a) <u></u> □	,	his action is non-final.	•				
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	LA parte Quayre, 1950	7 C.D. 11, 400 C.G. 213.				
4)⊠	Claim(s) <u>1,2,5-14 and 17-25</u> is/are pending ir	n the application.					
	4a) Of the above claim(s) is/are withdra	awn from consideration.					
5)	Claim(s) is/are allowed.		\$				
6)⊠	Claim(s) <u>1,2,5-14 and 17-25</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
	Claim(s) are subject to restriction and/o	or election requirement					
	on Papers						
_	The specification is objected to by the Examino						
10)[]	The drawmg(s) filed on is/are: a)☐ acce						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
	If approved, corrected drawings are required in re	And the second s	disapproved by the Examiner.				
12\[7	The oath or declaration is objected to by the Ex	• •					
	nder 35 U.S.C. §§ 119 and 120	Adminor.					
	Acknowledgment is made of a claim for foreig	un priority under 35 H S	C & 119(a) (d) or (f)				
· · ·	☑ All b)☐ Some * c)☐ None of:	in phoney ander oo o.o.	5. 3 115(a)-(d) 51 (i).				
•	1. ☐ Certified copies of the priority documen	ts have been received					
	2. Certified copies of the priority documen		n Application No				
	Copies of the certified copies of the price		·· ——				
0	application from the International Bu ee the attached detailed Office action for a list	ureau (PCT Rule 17.2(a	0)).				
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 							
Attachment	(s) ,		and which was a second of the second				
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲 Notice	iew Summary (PTO-413) Paper No(s) e of Informal Patent Application (PTO-152)				

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election without traverse of species I of the figures 20-24, 35, 37, and 39 including claims 1-2,5-14,17-25 in Paper No. 6 is acknowledged.
- 2. Claims 3-4, 15-16, 26-27 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species II, III, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 6.

Specification

The disclosure is objected to because of the following informalities:

On page 69, lines 5, 10, 13, "v()" should read --- v(+)---; and lines 27 " τ ()" should read --- τ (+) ---.

Appropriate correction is required.

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Claim Objections

4. Claims 5, 17 are objected to because of the following informalities: These claims 5, and 17 depend on the canceled claims. Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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6. Claims 1-2, 5-14, 17-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear "the electric potential of which change in accordance with change of said supplied test pattern, to be corresponding to said test pattern sequence" recited in the claims 1, 13, 25, where does "the electric potential of which" come from? is it the different from a power supply voltage recited in these claims 1, 13, 25?

To apply the art examiner assumes that the electric potential is the same with a power supply current value.

Claims 1, 13, 25 recited the limitation "the electric potential". There is insufficient antecedent basis for this limitation in the claim.

The other claims are rejected as being dependent to rejected claims 1, 13, 25.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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8. Claims 1, 6, 13, 18, are rejected under 35 U.S.C. 102(e) as being anticipated by Yamagishi (u.s.p 6,246,248)

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As to claims 1, 6, 13, 18, Yamagishi discloses in Fig. 1, a tester for detecting an abnormal power supply current in a device under test comprising: a means (14) for applying a power supply voltage to said semiconductor IC (DUT); a means (12) for supplying a test pattern sequence having a plurality of test patterns to said semiconductor IC (col. 4, lines 30-40); a means (172) for storing an analysis point included in said IC the voltage value converted from the power supply current value in accordance with change of said supplied test pattern, to be corresponding to said test pattern sequence (col. 5, lines 1-15); a transient power supply current tester (170) for measuring a transient power supply current generated on said semiconductor IC in accordance with the change of said test pattern and determining whether said transient current shows abnormality or not (col. 4, lines 10-15 and 63-67); and a fault location presuming unit (via 15, and 16) for presuming a fault location out of said analysis points based on said test pattern sequence, where the transient power supply current shows abnormality, and said analysis points stored to be corresponding to said test pattern sequence (col. 4, lines 40-44).

9. The method is considered inherent in the structure.

Allowable Subject Matter

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- 10. Claims 2, 7-12, 14, 17, 19-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 11. The following is a statement of reasons for the indication of allowable subject matter:

As claims 7-12, 14, 17, 19-25, the prior art does not teach or suggest the fault analysis apparatus a) wherein the transient power supply current tester determines that said transient power supply current is abnormal when pulse width of the transient power supply current is over a predetermined value; b) means for deleting said analysis points corresponding to the test pattern sequence, where said transient power supply current does not show abnormality, from said analysis points corresponding to the test pattern sequence where said transient power supply current shows abnormality; c) wherein said means for storing analysis points stores a logic device and a signal line, whose output changes in accordance with a change of supplied test pattern, as an analysis point, wherein the logic device is to be corresponding to said test pattern sequence in said semiconductor IC; in combination with the other claimed features.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung X Nguyen whose telephone number is (703) 305-3337. The examiner can normally be reached on 8:30am-5:00pm M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (703)-308-1233. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-5841 for regular communications and (703) 308-5841 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)*308-0956.

TN ... April 28, 2003

VKAMAND CUNEO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800